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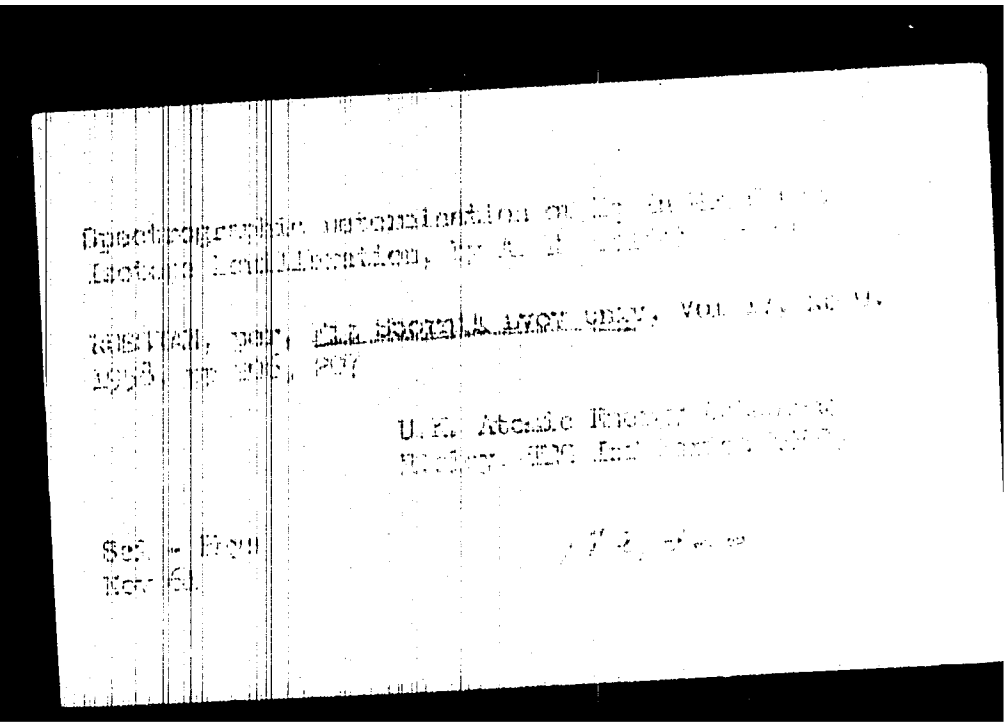

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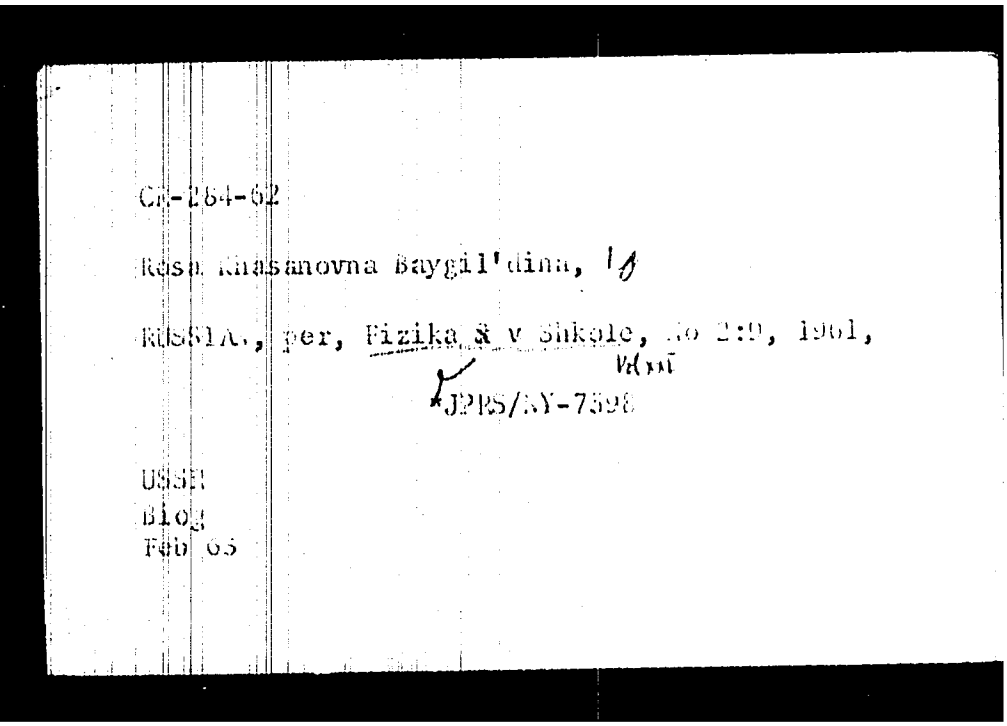

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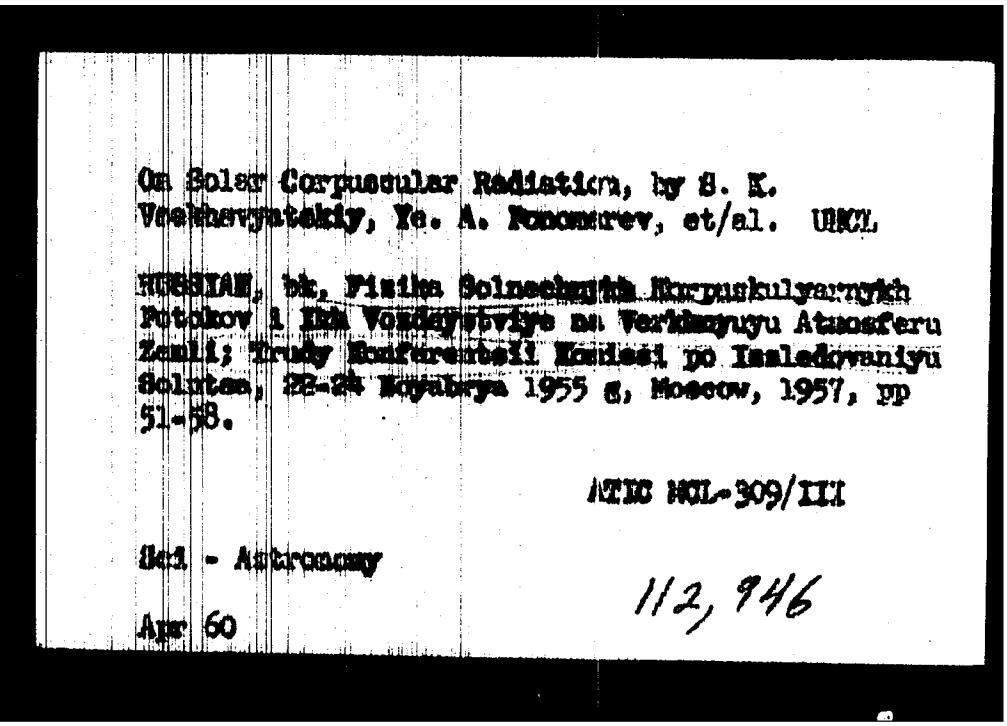

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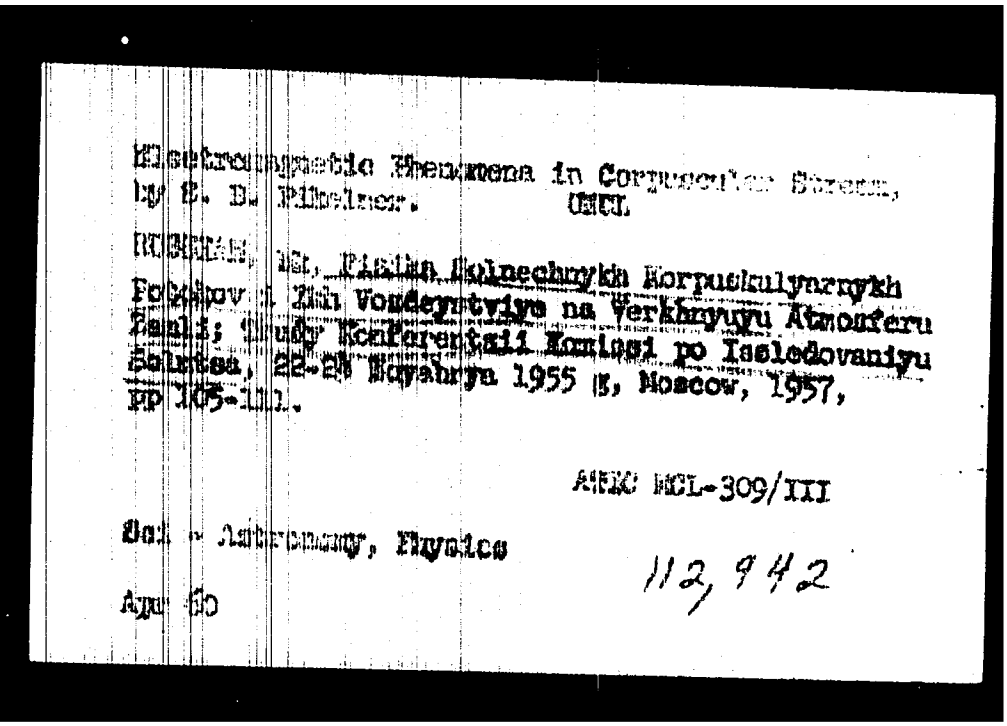

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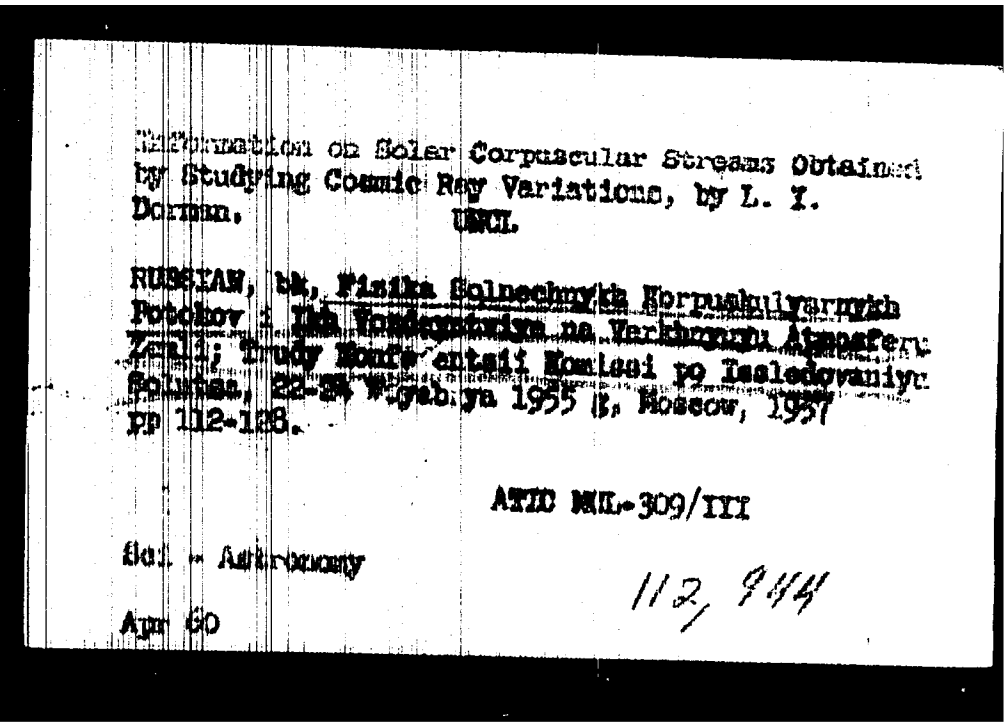

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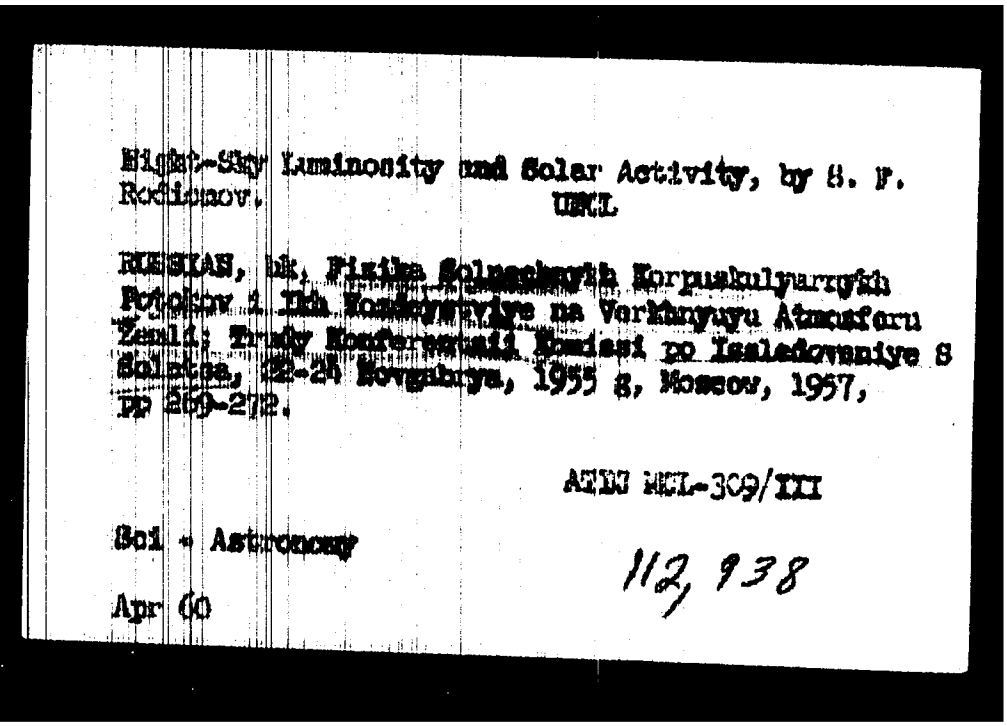

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Sci - Astronomy
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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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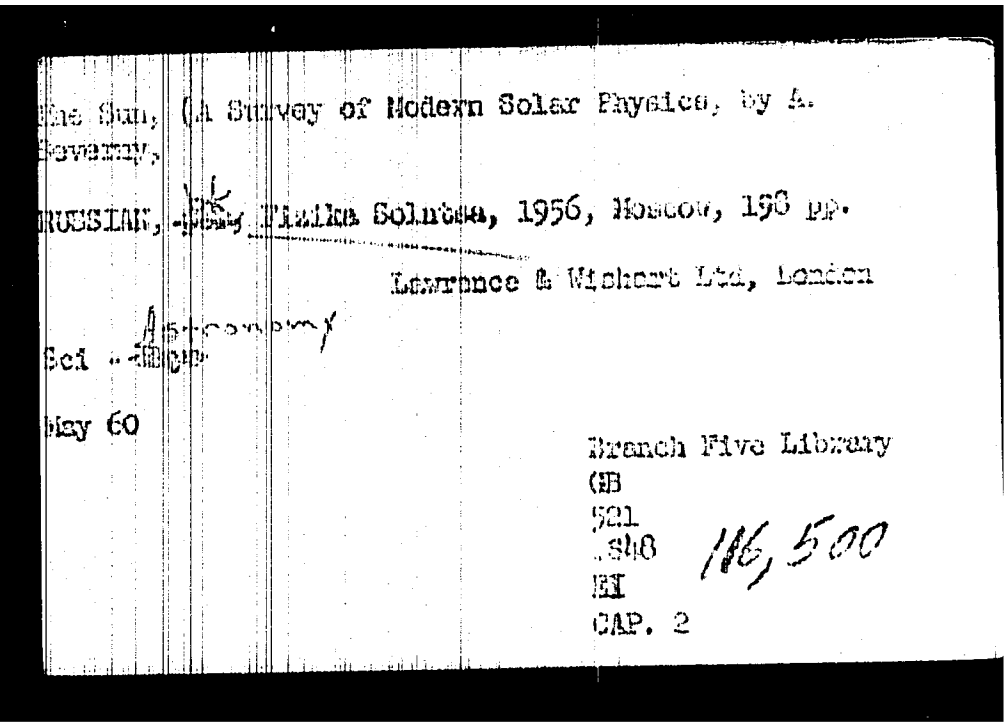

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RUSSIAN, Fizika Solntsa, 1956, Moscow, 190 pp.

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Sci - Astronomy

May 60

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Request translation check FTD 21-8-78 BT69-1-1786T

Effect of heat treatment on the wear resistance of a nickel-phosphorus coating 4 pp

N/Pat

N Bazarbekov, Yu S Terminasov

Fiz. Svoystva Dielek. Poluprov. Krist. 1967, 49-51

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Physics and Engineering of Strong Magnetic Fields, Handbook, by V. R. Karaskik.

RUSSIAN, mono, Fizika i Tekhnika Sil'nykh Magnitnykh Polei, Moscow, 1954, 320 pp.

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The Physics and Technology of Strong Magnetic Fields, by V. R. Karasik. RUSSIAN, bk, Fizika i Tekhnika Silnykh Magnitnykh Polei, 1964, 350 pp. NLL R. 35113

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Chudnovskii, A. F.
PHYSICS OF HEAT EXCHANGE IN SOIL. [1962]
[317]p. 179 refs. USASIA Trans. Log no. 1381.
Order from OTS or SLA $19.75 62-32507

Trans. of mono. Fizika Teploobmena v Pochve, To
Moscow, 1948, 220p.

DESCRIPTORS: *Soils, *Heat transfer, Heat exchangers, *Geophysics, *Agriculture, *Meterology, Thermal diffusion, Test methods, Mathematical analysis.

Contents:
Basic problem in the field of soil energetics, and methods of its solutions
The role soil heat exchange plays in the total heat balance and the significance of such an exchange for geo-agrophysical problems
Study methods of thermal conditions in soils
(Earth Sciences, TT, v. 8, no. 9) (over)

62-32507

I. Chudnovskii, A. F.
II. USASIA Trans-1381
III. Army Signal Intelligence Agency, Arlington, Va.
IV. Systems Engineering Facility, RCA Service Co., Alexandria, Va.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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Chudnovskii, A. F.
HEAT TRANSFER IN THE SOIL, tr. by S. Monson.
1962, 164p. 179 refs. PL-480 Agr.
Order from OTS $1.75 61-31215

Trans. of mono. Fizika Teploobmena v Pochve,
Leningrad/Moscow, 1948 [220p.]. 9207559

DESCRIPTORS: *Soils, *Heat transfer, Geophysics.

Contents:
The fundamental problem of soil energetics and methods for its solution
Heat transfer in soil: its role in the total heat balance and significance in geophysical and agrophysical problems
Methods for the study of the soil heat regime
Fundamental characteristics of the soil thermal regime
Theory of heat transport in the upper layers of the soil
Practical applications
(Agriculture--Plant Cultivation, TT, v. 9, no. 7)

61-31215

I. Chudnovskii, A. F.
II. PL-480 Agr (61-31215)
III. National Science Foundation, Washington, D. C.

Office of Technical Services

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[redacted] Soldering Apparatus [redacted]
Production of a Lead Barrier, by T.A. de Kanashkin,
E. P. Baker, 4 pp. UNCLASSIFIED

RUSSIAN, Svarka i Zapolotekhnika Reaktorov,
1958, pp 124-127, Sect to IN-ACSI-30, Aug 60

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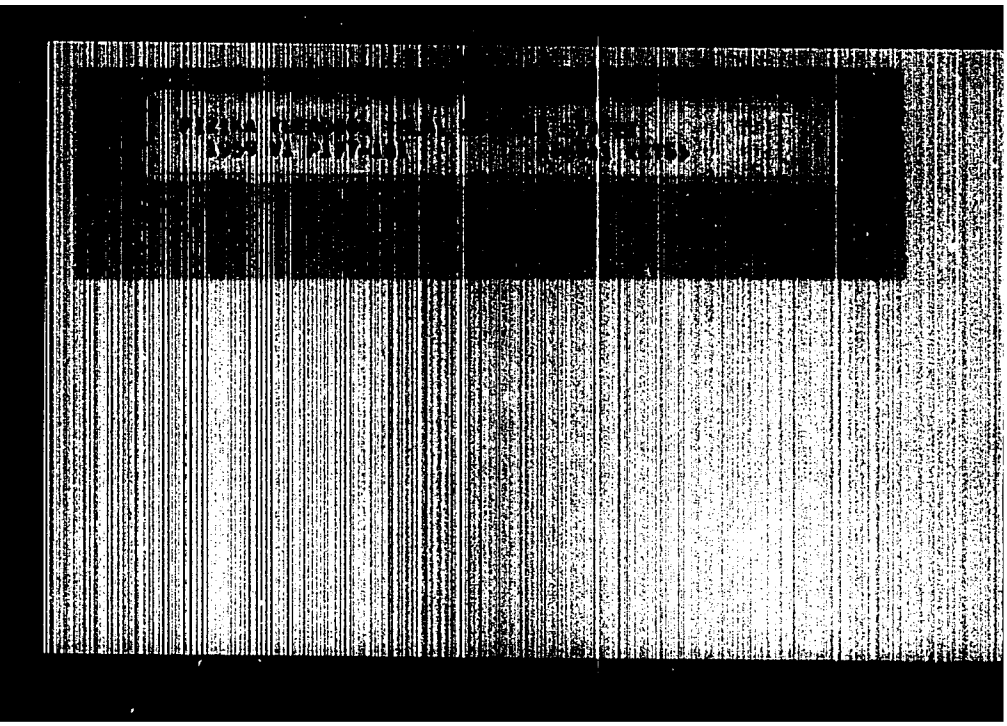

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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Dislocation and Diffusion Effects in Recrystallization of Deformed Copper, by B. Ya. Pines, 8 pp.

RUSSIAN, ~~sbt~~ per, Fizika Tverdogo Tela-Sbornik Statey, 1949, pp 254-272.

ACSI B-8693
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ACSI H-8691
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Sci - Phys
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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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Influence of Short-Range Order on Electric Properties of Substance, by A. B. Almazov, 5 pp. UNCL

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AUSI H-8458
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Bonch-Bruevich, V. L.
ZUR THEORIE DER STÖRSTELLENZUSTÄNDE IN HALBLEITERN (On the Theory of Impurity States in Semiconductors).
Order from TIB $1.80

Trans. in German of mono. Fizika Tverdogo Tela: [Sbornik Statei (Solid State Physics: Collection of Articles) v. I, Moscow] 1959, p. 177-181.

DESCRIPTORS: Impurities, *Semiconductors, Theory

(Physics--Solid State, TT, v. 9, no. 11)

62-27327

I. Bonch-Bruevich, V. L.
II. Technische Informationsbibliothek, Hannover (West Germany)
III. Title: Solid...

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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Dislocation and Diffusion Effects in Recrystallization of Deformed Copper, by B. Ya. Pines, 8 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Sbornik Staty, 1959, pp 264-272.

ACSI H-8693
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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

The Secondary Electron Emission of Certain Polymers,
by T. L. Matskevitch.
RUSSIAN, per. Fizika Tverdogo Telo, Sbornik Statey,
Vol I, 1959, pp 277-281.
NASA TT F-8847

Sci-Phys
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Thermoelectric High Vacuum Trap for the Pump N-5,
by E. A. Kolenko, et al, 2 pp.

RUSSIAN, per, Fiz Tverdogo Tela; Sbornik Statey, V
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Secondary Electronic Emission of Certain Polymers,
by T. L. Matskevich.

RUSSIAN, per, Fizika Tverdogo Tela, Sbornik Statey I,
Vol I, M 1959, pp 277-281.

*NASA TT F-8847

Sci - Phys, Electron
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Surface Tension and Heat of Sublimation of Silicon, Germanium and Lead, by S. N. Zak Zadumkin,

RUSSIAN, per, Fiz Tverdovogo Tela, Vol I, No 4, 1959, pp 572-573. 9097855

*AEC Tr- 4737

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The Dependance of the Reverse Current Through a Germanium Diode on the Repetitution Frequency of Voltage Pulses, by S. G. Shul'man.

RUSSIAN, per, Fiz Tverdova Tela, Vol 1, No 4, 1959, pp 597-601.

Internatl Physical Index
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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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The Transient Response Involved in the Blocking of a Junction Semiconductor Diode at Large Values of Current, by Yu. K. Barsukov.

RUSSIAN, per, Fiz Tverdova Tela, Vol I, No 4, 1959, p 602.

Internatl Physical Index
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Vol II, No 1

Sci - Electronics
Nov 59

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

Mass-Spectrometer Determination of the Amount and Composition of Gases Adsorbed on the Surface of Germanium and Silicon Monocrystals (Excerpts), by V. M. Kozlovskaya, 7 pp.

RUSSIAN, par, Fiz Tverdogo Tela, Vol I, No 7, 1959, pp 1027-1034. (Excerpts, pp 1027-1029).

ABC SCL-T-344

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

On the Theory of Impurity Bands, by V. L. Bonch-Bruyevich, 10 p.

RUSSIAN, per, Fiz Tverd Tel 1959, Vol I, No 8, pp 1213-1220.

MDF B-148

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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Dielectric Polarization of Some Complex Compounds,
by G.A Smolenskiy, A.I. Agranovskaya.

RUSSIAN, per, Fiz Tver Tela, Vol I, No 10, 1959.
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Sci - Phys
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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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Ferroelectric Subtraction Substitutional Solid Solutions, by G.A. Smolenskiy, V.A. Isupov, A.I. Agranovskaya.

RUSSIAN, per, Fiz Tver Tela, Vol. I, No 10, 1959, pp 1573-1582. 9661846.

ATIC MCL 472/1

Sci - Phys
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11 158 GE-1

PIKUS G. E., BIR G. L.

The influence of deformations on the energy spectrum of the holes in germanium and silicon

Der Einfluss von Deformationen auf das Energiespektrum der Löcher in Germanium und Silizium

*Fiz. Tverd. Tela, 1, 1642-1658 (1959)
Physikalische Abhandlungen aus der Sowjetunion, 2, No.4, 336-354 (1960)

German

Euratom

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KLYAVIN O. V., STEPANOV A. V.

Study of the mechanical properties of metals at liquid helium temperatures

Untersuchung der mechanischen Eigenschaften von Metallen bei Heliumtemperaturen

*Fiz. Tverd. Tela, 1, 1733-1735 (1959)
Physikalische Abhandlungen aus der Sowjetunion, 2, No. 4, 323-326 (1960)

German

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Chuenkov, V. A.
DIE THEORIE DES ELEKTRISCHEN DURCHSCHLAGS DER HALBLEITER. I. (The Theory of the Electric Breakdown of Semiconductors). (text in German).
Order from T.I.B. $1.85

Trans. from mono. Fizika Tverdogo Tela: Sbornik Statei, v. 2 [Moscow, 1959].

DESCRIPTORS: Theory. *Semiconductors.

(Physics--Solid State, TI, v. 8, no. 10)

62-27189

I. Chuenkov, V. A.
II. T.I.B.
III. Technische Informationsbibliothek Hannover

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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Kolomiets, B. T. and Mal'kova, A. A.
EIGENSCHAFTEN UND STRUKTUR TERNARER HALBLEITERSYSTEME. V. (Properties and Structure of Ternary Semiconductor-systems). (text in German).
Order from T. I. B. $1.85

Trans. of mono. Fizika Tverdogo Tela: Sbornik Statei, v. 2 [Moscow] 1959, p. 32-38.

DESCRIPTORS: Physical properties, Structure, *Semiconductors.

(Physics--Solid State, TT, v. 8, no. 10)

62-27182

I. Kolomiets, B. T.
II. Mal'kova, A. A.
III. T. I. B.
IV. Technische Informations-bibliothek Hannover

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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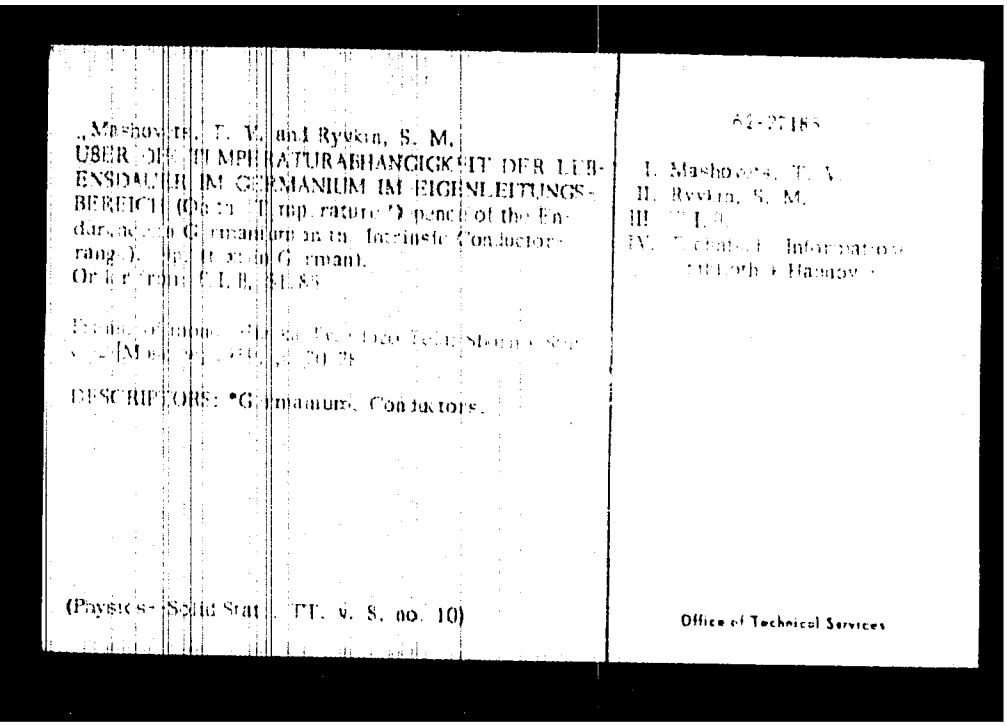

..Mashovets, T. V. and Ryvkin, S. M.
UBER DIE TEMPERATURABHANGIGKEIT DER LEBENSDAUER IM GERMANIUM IM EIGENLEITUNGSBEREICH (On the Temperature Dependence of the Endurance of Germanium in the Intrinsic Conductor-range). (Text in German).
Original from: FTD-TT-61-85

[illegible]

DESCRIPTORS: *Germanium, Conductors.

(Physics-Solid State, FT. v. 8, no. 10)

62-27185

I. Mashovets, T. V.
II. Ryvkin, S. M.
III. FTD-TT
IV. Translation Information Unit, Orth, Hannover

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

Litovchenko, V. G.
UNTERSUCHUNG SCHNELLER OBERFLACHEN-ZUSTÄNDE VON SILIZIUM (Testing of Rapid Finishes of Silicon). (text in German).
Order from T. I. B. $1. 55

Trans. of mono. Fizika Tverdogo Tela: Sbornik Statei, v. 2 [Moscow] 1959, p. 83-87.

DESCRIPTORS: Test methods, *Finishes, *Silicon.

(Materials--Finishes, TT, v. 8, no. 10)

62-27172

I. Litovchenko, V. G.
II. T. I. B.
III. Technische Informations-bibliothek Hanover

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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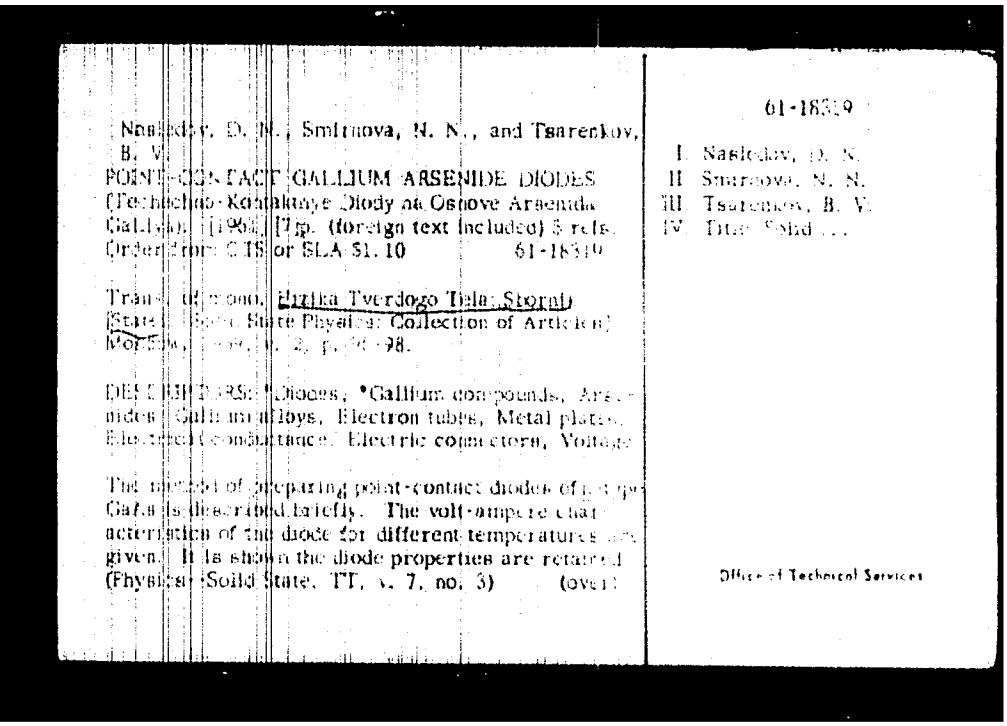

Nasledov, D. N., Smirnova, N. N., and Tsarenkov, B. V.

POINT-CONTACT GALLIUM ARSENIDE DIODES
(Tochechnyye Diody na Osnove Arsenida Galliya). [1958]. [7p. (foreign text included) 5 refs.
Order from: CIS or SLA $1.10 61-18319

Trans. from: Fizika Tverdogo Tela: Sbornik [State Solid State Physics: Collection of Articles] Moscow, [1958], v. 2, p. [96-98].

DESCRIPTORS: *Diodes, *Gallium compounds, Arsenides, Gallium alloys, Electron tubes, Metal plates, Electrical conductance, Electric connectors, Voltage

The [illegible] of preparing point-contact diodes of n-type GaAs is described briefly. The volt-ampere characteristics of the diode for different temperatures are given. It is shown the diode properties are retained
(Physics: Solid State, TT, v. 7, no. 3) (over)

61-18319

I. Nasledov, D. N.
II. Smirnova, N. N.
III. Tsarenkov, B. V.
IV. Title: Solid ...

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Alferov, Zh. I., Gordeev, G. V. and Stafeev, V. I.
TEMPERATURABHÄNGIGKEIT DER DURCHSCHLAG-SPANNUNG IN GERMANIUM- UND SILIZIUMDIODEN (Temperature Dependence of the Breakdown in Germanium and Silicon-diodes). (text in German).
Order from: T. I. B. $1.55

Trans. of mono. Fiziki Tverdogo Tela: Sbornik Statei, v. 2 [Moscow] 1959, p. 104-108.

DESCRIPTORS: Sensitivity, *Germanium, *Silicon, *Diodes.

(Physics--Solid State, TT, v. 8, no. 10)

62-27173

I. Alferov, Zh. I.
II. Gordeev, G. V.
III. Stafeev, V. I.
IV. T. I. B.
V. Technische Informations-bibliothek Hannover

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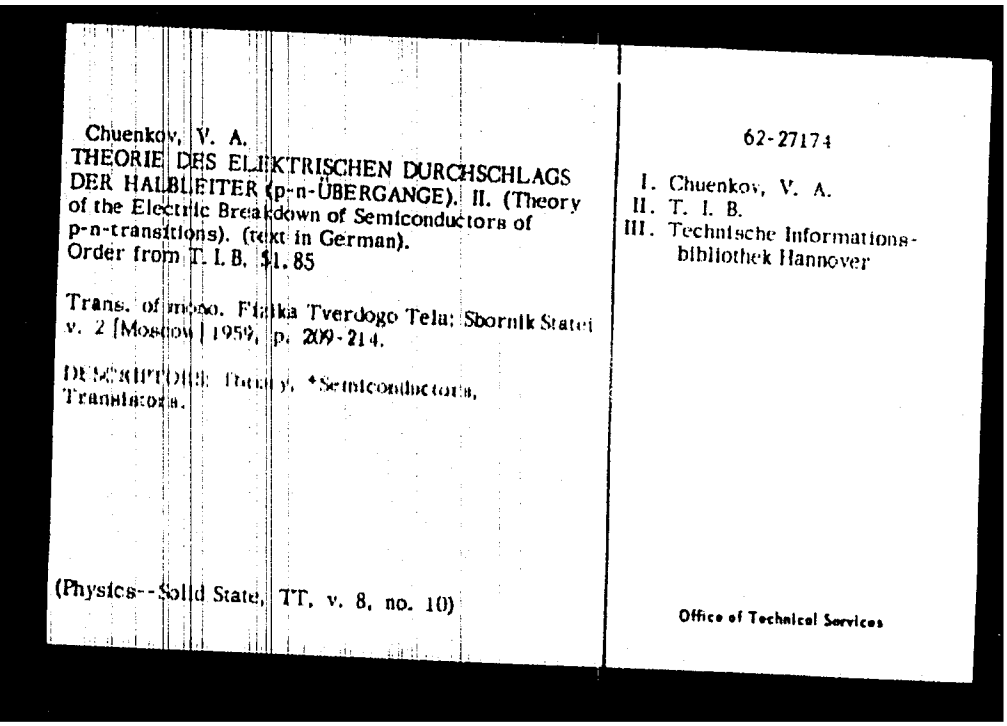

Chuenkov, V. A.
THEORIE DES ELEKTRISCHEN DURCHSCHLAGS DER HALBLEITER (p-n-ÜBERGANGE). II. (Theory of the Electric Breakdown of Semiconductors of p-n-transitions). (text in German).
Order from T. I. B. $1.85

Trans. of mono. Fizika Tverdogo Tela: Sbornik Statei v. 2 [Moscow] 1959, p. 209-214.

DESCRIPTORS: Theory, *Semiconductors, Transistors.

(Physics--Solid State, TT, v. 8, no. 10)

62-27174

I. Chuenkov, V. A.
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III. Technische Informations-bibliothek Hannover

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Theory of Ordering of an Alloy With a Hexagonal Close-Packed Crystal Lattice, by Z. A. Matysina, A. A. Smirnov, 6 pp. UNCL

RUSSIAN, FIZ TVERDOGO TELA - SBORNIK STATEY, Vol III, 1959, pp 286-290.

ACSI H-8459
ID 2162096

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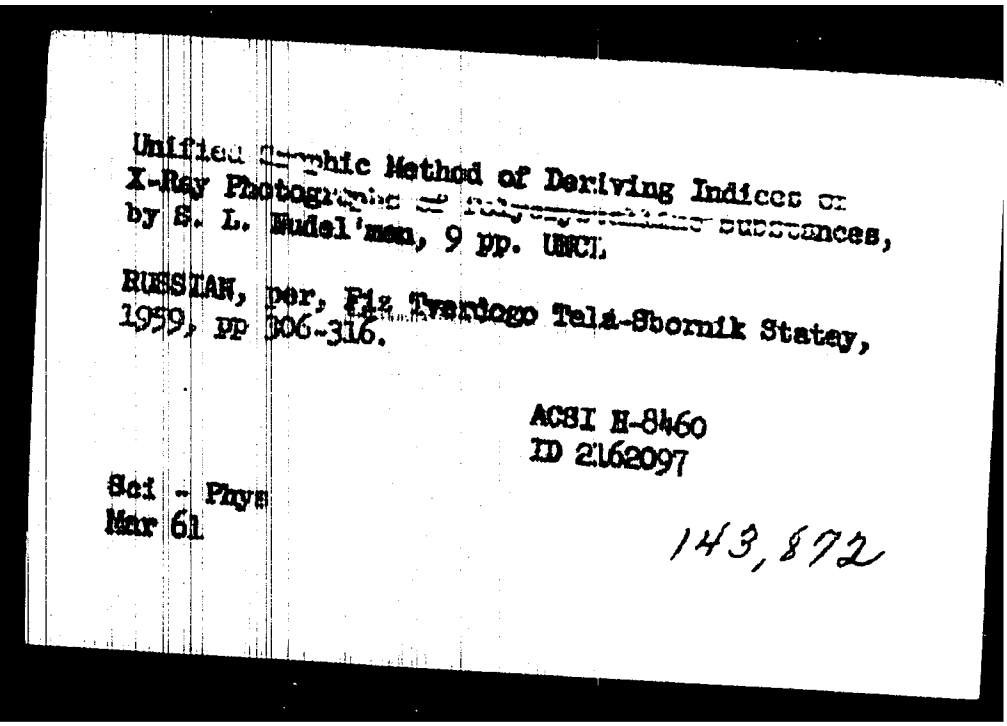

Unified [illegible]phic Method of Deriving Indices of
X-Ray Photogra[illegible] [illegible] Substances,
by S. L. Rudel'man, 9 pp. UNCL.

RUSSIAN, per, Fiz Tverdogo Tela-Sbornik Statey,
1959, pp 306-316.

ACSI H-8460
ID 2162097

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Advanced Studies on Silicon Photocells, 3 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Vol I,
No 10, 1959, pp 1629-1631.

AID/SIR-3170

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000301980058-4

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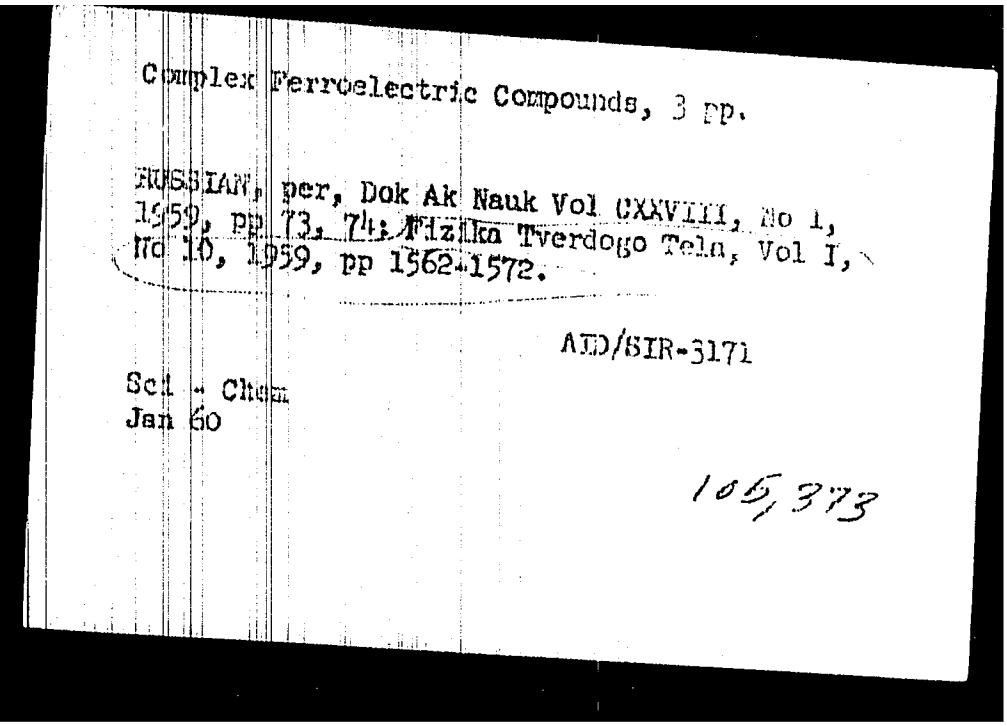

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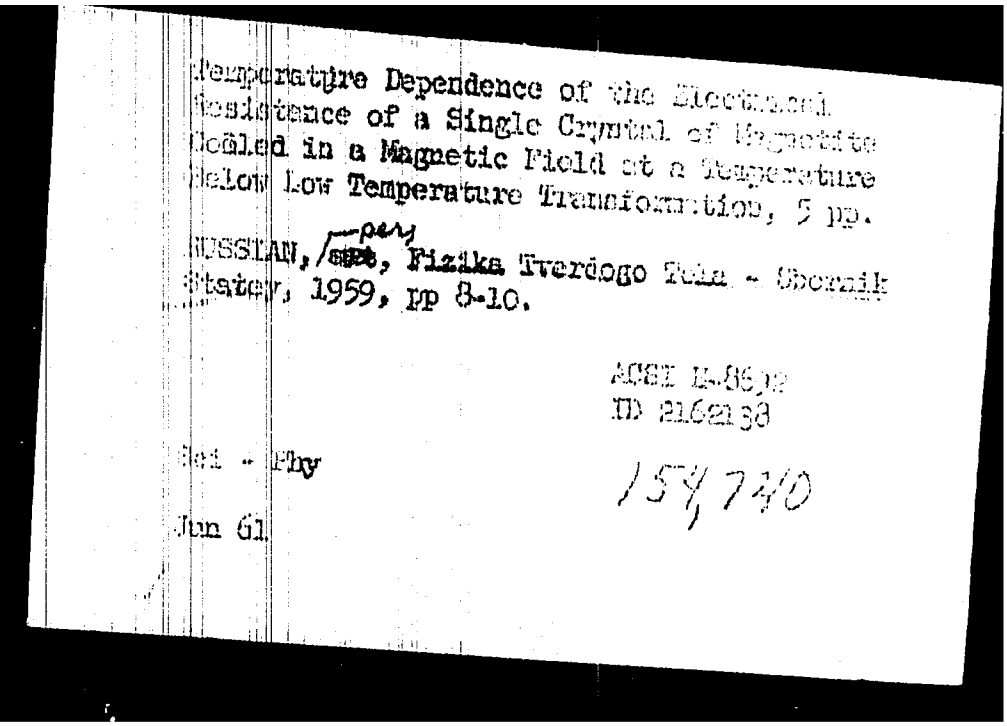

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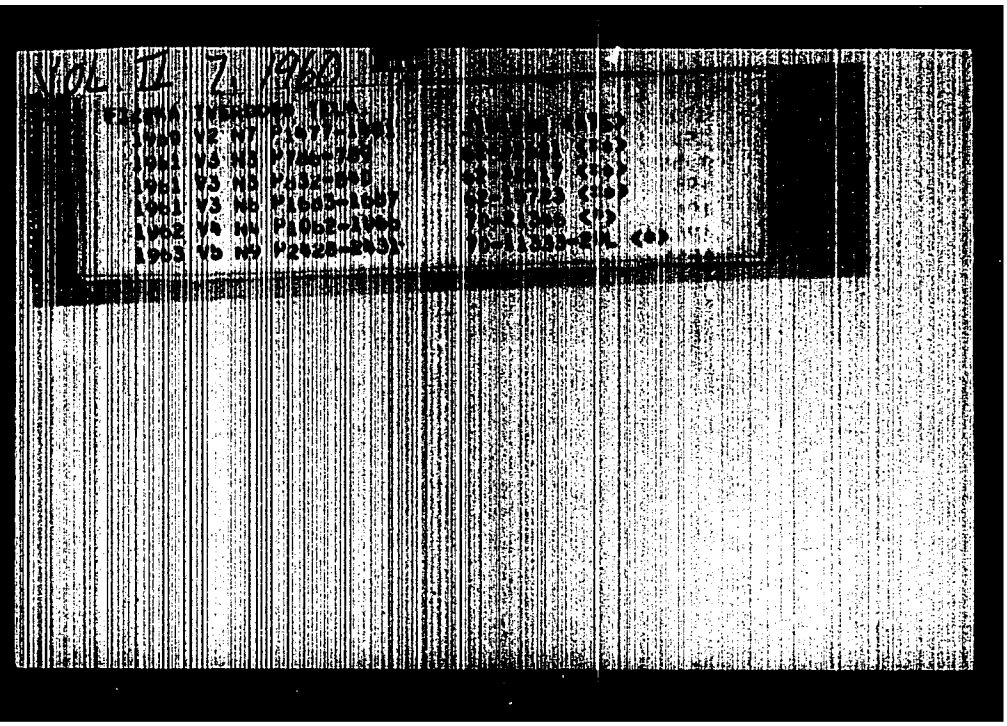

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